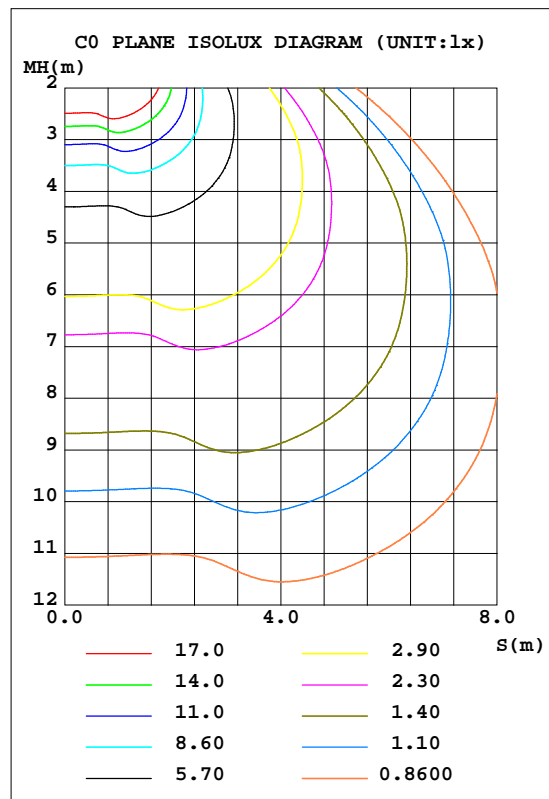
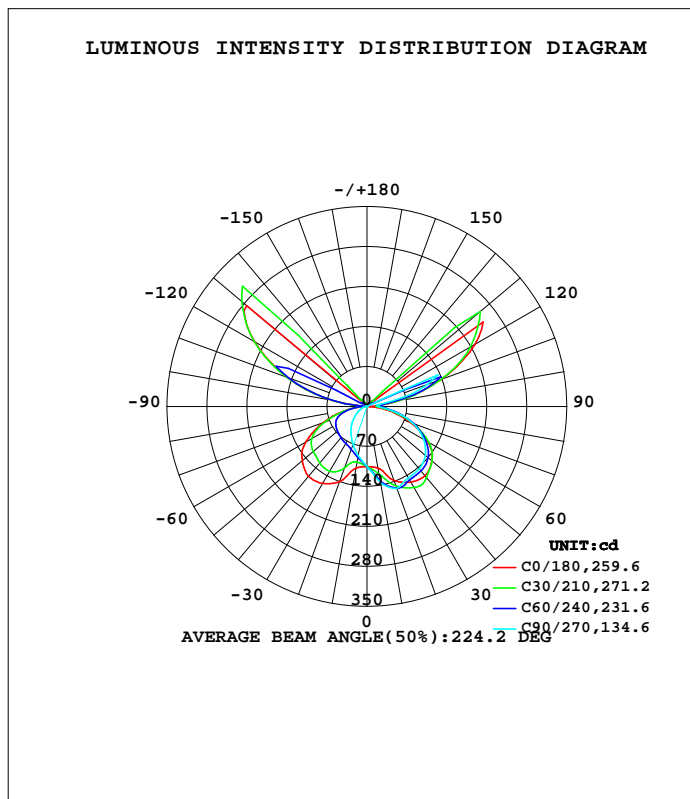


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.76V I:0.0655A P:14.586W PF:0.9643 Freq:49.99Hz Lamp Flux:936.206x1 lm		
NAME: Scoop 13W color toning LED wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	1583CT-5R	Imax(cd)	303.3	S/MH(C0/180)	2.02
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.84
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	936.21	h UP, DN(C0-180)	21.2, 35.0
NOMINAL FLUX(lm)	936.206	CIE CLASS	DIFFUSE	h UP, DN(C180-360)	20.6, 23.2
LAMPS INSIDE	1	h up(%)	41.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	h down(%)	58.2	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:02 February 2023

Page Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: Zigen ZG2BRG23L00 KGP CC15W350 Triac

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

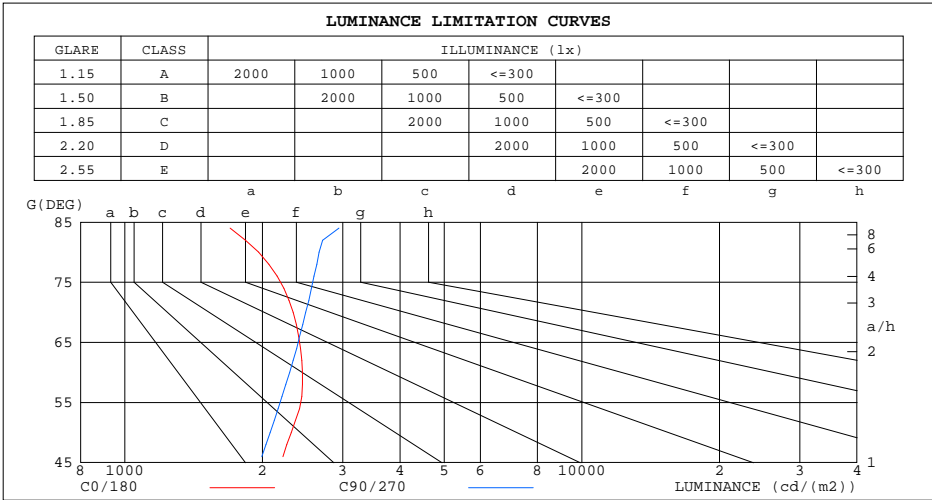
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	109.3	126.1	134.6	125.4	109.4	94.78	87.72	94.14	0- 10	10.27	10.27	1.1,1.1
20	138.0	150.4	152.6	150.7	139.9	93.54	71.74	92.20	10- 20	33.29	43.55	4.65,4.65
30	152.7	158.5	144.8	160.8	155.7	107.1	56.64	106.1	20- 30	58.99	102.5	11,11
40	158.5	153.4	142.6	154.3	159.4	101.1	42.27	100.7	30- 40	80.68	183.2	19.6,19.6
50	148.7	144.7	133.8	145.4	148.1	97.53	28.75	98.47	40- 50	95.05	278.3	29.7,29.7
60	122.3	122.2	114.7	122.9	123.0	91.89	17.78	93.06	50- 60	99.42	377.7	40.3,40.3
70	79.90	86.23	85.09	86.58	80.77	72.00	9.794	72.20	60- 70	86.70	464.4	49.6,49.6
80	34.07	45.85	46.21	45.98	34.88	35.30	4.532	34.67	70- 80	57.02	521.4	55.7,55.7
90	2.811	22.93	20.58	22.55	2.517	8.424	1.941	8.237	80- 90	23.43	544.9	58.2,58.2
100	50.70	46.35	23.53	44.79	60.32	55.92	1.608	43.88	90-100	20.26	565.1	60.4,60.4
110	137.9	135.5	111.2	141.5	147.4	148.6	1.778	143.2	100-110	86.00	651.1	69.5,69.5
120	219.1	148.7	2.113	207.0	227.0	222.7	2.036	217.4	110-120	130.3	781.4	83.5,83.5
130	21.95	12.75	1.092	63.46	274.9	148.5	2.242	138.3	120-130	115.1	896.6	95.8,95.8
140	11.63	6.647	1.298	7.260	12.41	12.13	2.375	12.34	130-140	32.69	929.3	99.3,99.3
150	8.243	3.601	1.512	3.719	8.139	6.752	2.397	6.774	140-150	4.083	933.3	99.7,99.7
160	4.813	2.626	1.748	2.615	4.865	3.215	2.405	3.141	150-160	1.900	935.2	99.9,99.9
170	2.413	2.187	2.043	2.091	2.353	2.379	2.405	2.353	160-170	0.7487	936.0	100,100
180	2.353	2.346	2.272	2.265	2.353	2.357	2.316	2.309	170-180	0.2174	936.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:02 February 2023

g Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: Zigen ZG2BRG23L00 KGP CC15W350 Triac

LUMINANCE LIMITATION CURVES

Test:U:230.76V I:0.0655A P:14.586W PF:0.9643 Freq:49.99Hz Lamp Flux:936.206x1 lm		
NAME: Scoop 13W color toning LED wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G( DEG)	C0/180	C90/270
85	2038	3531
80	1962	2661
75	2375	2727
70	2336	2488
65	2514	2464
60	2447	2295
55	2472	2219
50	2313	2081
45	2209	1983

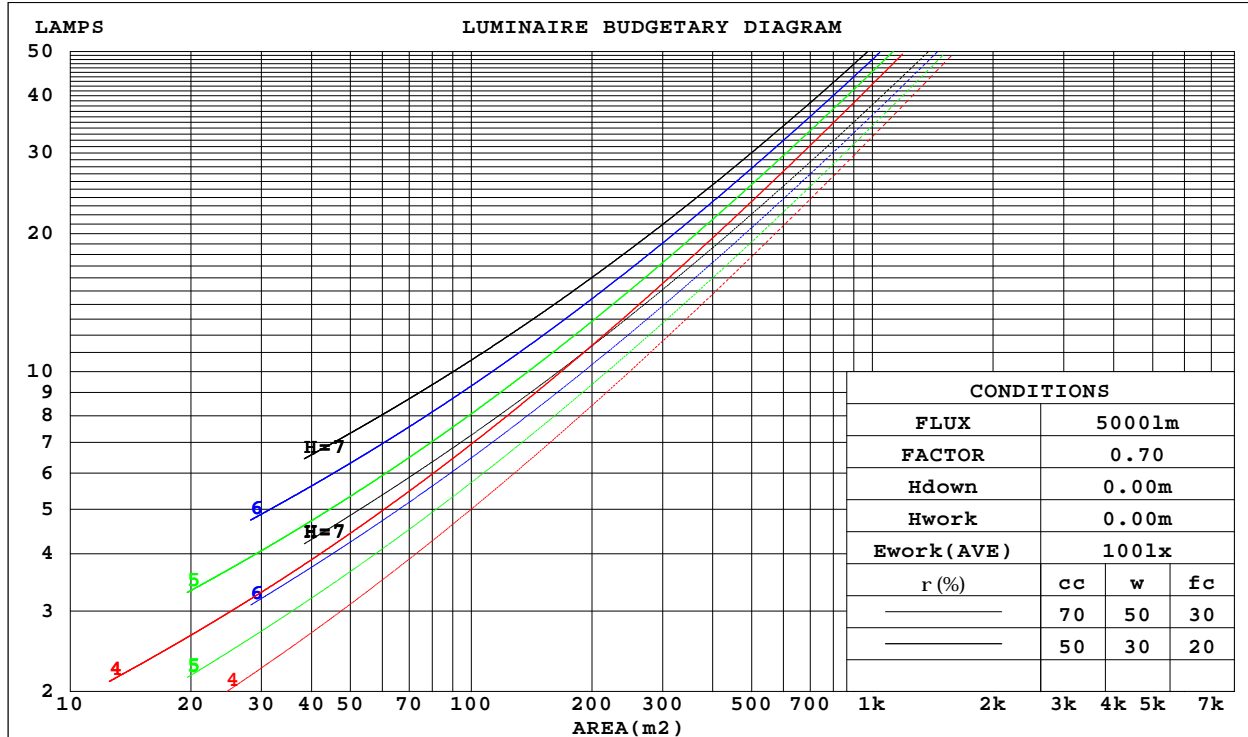
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:02 February 2023

G Range: 0 - 180DEG  
 G Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: Zigen ZG2BRG23L00 KGP CC15W350 Triac

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.76V I:0.0655A P:14.586W PF:0.9643 Freq:49.99Hz Lamp Flux:936.206x1 lm		
NAME: Scoop 13W color toning LED wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

r <sub>cc</sub>	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.09	1.09	1.09	1.02	1.02	1.02	.88	.88	.88	.75	.75	.75	.64	.64	.64	.58
1.0	.93	.89	.85	.87	.83	.79	.75	.72	.69	.64	.62	.60	.54	.52	.51	.46
2.0	.80	.73	.67	.75	.69	.63	.64	.60	.56	.55	.51	.48	.46	.44	.41	.37
3.0	.69	.61	.55	.65	.57	.52	.56	.50	.45	.48	.43	.39	.40	.37	.34	.30
4.0	.61	.52	.45	.57	.49	.43	.49	.43	.38	.42	.37	.33	.35	.31	.28	.25
5.0	.54	.45	.38	.50	.42	.36	.43	.37	.32	.37	.32	.28	.31	.27	.24	.21
6.0	.48	.39	.33	.45	.37	.31	.39	.32	.27	.33	.28	.24	.28	.24	.21	.18
7.0	.43	.34	.28	.40	.32	.27	.35	.28	.24	.30	.25	.21	.25	.21	.18	.15
8.0	.39	.30	.25	.36	.29	.23	.31	.25	.21	.27	.22	.18	.23	.19	.16	.13
9.0	.35	.27	.22	.33	.26	.21	.29	.23	.18	.25	.20	.16	.21	.17	.14	.12
10.0	.32	.24	.19	.30	.23	.18	.26	.20	.16	.23	.18	.14	.19	.15	.13	.10



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:02 February 2023

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: Zigen ZG2BRG23L00 KGP CC15W350 Triac

WEC AND CCEC

Test:U:230.76V I:0.0655A P:14.586W PF:0.9643 Freq:49.99Hz Lamp Flux:936.206x1 lm		
NAME: Scoop 13W color toning LED wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.322	.183	.058	.302	.172	.055	.265	.152	.049	.231	.133	.043	.200	.116	.037	
2.0	.294	.161	.049	.276	.152	.047	.242	.135	.042	.211	.119	.037	.183	.103	.033	
3.0	.268	.143	.043	.252	.135	.041	.221	.120	.036	.193	.106	.032	.166	.092	.028	
4.0	.246	.128	.038	.231	.121	.036	.202	.107	.032	.176	.095	.029	.152	.083	.025	
5.0	.226	.115	.033	.212	.109	.032	.186	.097	.029	.162	.085	.025	.139	.074	.022	
6.0	.208	.105	.030	.196	.099	.028	.172	.088	.026	.150	.078	.023	.129	.068	.020	
7.0	.193	.096	.027	.182	.091	.026	.160	.081	.023	.139	.071	.021	.119	.062	.018	
8.0	.180	.088	.025	.169	.083	.024	.149	.074	.021	.129	.066	.019	.111	.057	.017	
9.0	.168	.081	.023	.158	.077	.022	.139	.069	.020	.121	.061	.017	.104	.053	.015	
10.0	.158	.076	.021	.149	.072	.020	.131	.064	.018	.114	.057	.016	.098	.049	.014	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.509	.509	.509	.435	.435	.435	.297	.297	.297	.171	.171	.171	.055	.055	.055	
1.0	.502	.477	.455	.430	.410	.391	.294	.282	.271	.169	.163	.157	.054	.052	.051	
2.0	.496	.455	.421	.425	.392	.364	.291	.271	.254	.168	.158	.149	.054	.051	.048	
3.0	.489	.439	.400	.419	.379	.346	.288	.263	.243	.166	.154	.143	.053	.050	.047	
4.0	.482	.427	.385	.414	.369	.335	.285	.257	.236	.165	.151	.139	.053	.049	.046	
5.0	.476	.418	.375	.409	.362	.327	.281	.253	.231	.163	.148	.137	.053	.048	.045	
6.0	.469	.410	.368	.403	.356	.321	.278	.249	.227	.161	.146	.135	.052	.048	.045	
7.0	.463	.404	.363	.398	.350	.317	.275	.246	.224	.160	.145	.134	.052	.047	.044	
8.0	.457	.399	.359	.393	.346	.313	.272	.243	.222	.158	.143	.132	.051	.047	.044	
9.0	.451	.395	.356	.388	.342	.311	.269	.241	.221	.157	.142	.132	.051	.047	.044	
10.0	.446	.391	.354	.384	.339	.309	.266	.239	.220	.155	.141	.131	.050	.046	.043	

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:02 February 2023

g Range: 0 - 180DEG  
 g Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: Zigen ZG2BRG23L00 KGP CC15W350 Triac

UGR(Unified Glare Rating) Table

Test:U:230.76V I:0.0655A P:14.586W PF:0.9643 Freq:49.99Hz Lamp Flux:936.206x1 lm										
NAME: Scoop 13W color toning LED wall light					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: CG LIGHTING					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	14.8	15.8	15.5	16.6	17.6	14.3	15.4	15.1	16.2	17.1
3H	16.5	17.4	17.3	18.2	19.3	16.3	17.3	17.1	18.1	19.1
4H	17.1	18.0	17.9	18.9	19.9	17.2	18.1	18.0	18.9	20.0
6H	17.5	18.4	18.4	19.3	20.3	17.9	18.8	18.7	19.6	20.7
8H	17.7	18.5	18.5	19.3	20.4	18.2	19.0	19.0	19.8	20.9
12H	17.7	18.5	18.6	19.4	20.5	18.4	19.2	19.3	20.1	21.2
4H 2H	15.3	16.3	16.2	17.1	18.1	15.0	15.9	15.8	16.8	17.8
3H	17.2	18.0	18.1	18.9	19.9	17.1	17.9	18.0	18.8	19.9
4H	18.0	18.7	18.9	19.6	20.7	18.1	18.9	19.0	19.7	20.9
6H	18.6	19.2	19.4	20.1	21.2	19.0	19.6	19.9	20.5	21.7
8H	18.7	19.3	19.6	20.2	21.4	19.3	19.9	20.2	20.8	22.0
12H	18.8	19.3	19.7	20.3	21.4	19.7	20.2	20.6	21.1	22.3
8H 4H	18.3	18.9	19.2	19.8	20.9	18.4	19.0	19.3	19.9	21.1
6H	19.0	19.5	20.0	20.4	21.6	19.5	20.0	20.4	20.9	22.1
8H	19.3	19.7	20.3	20.7	21.9	20.0	20.4	20.9	21.3	22.5
12H	19.5	19.9	20.5	20.8	22.0	20.4	20.8	21.4	21.8	23.0
12H 4H	18.3	18.8	19.2	19.8	20.9	18.4	19.0	19.3	19.9	21.0
6H	19.1	19.6	20.1	20.5	21.7	19.6	20.0	20.5	20.9	22.1
8H	19.5	19.8	20.4	20.8	22.0	20.1	20.5	21.1	21.4	22.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.5					+ 0.2 / - 0.4				

CIE Pub.117, 936.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.2)

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:02 February 2023

g Range: 0 - 180DEG  
 g Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: Zigen ZG2BRG23L00 KGP CC15W350 Triac

UTILIZATION FACTORS TABLE

Test:U:230.76V I:0.0655A P:14.586W PF:0.9643 Freq:49.99Hz Lamp Flux:936.206x1 lm		
NAME: Scoop 13W color toning LED wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

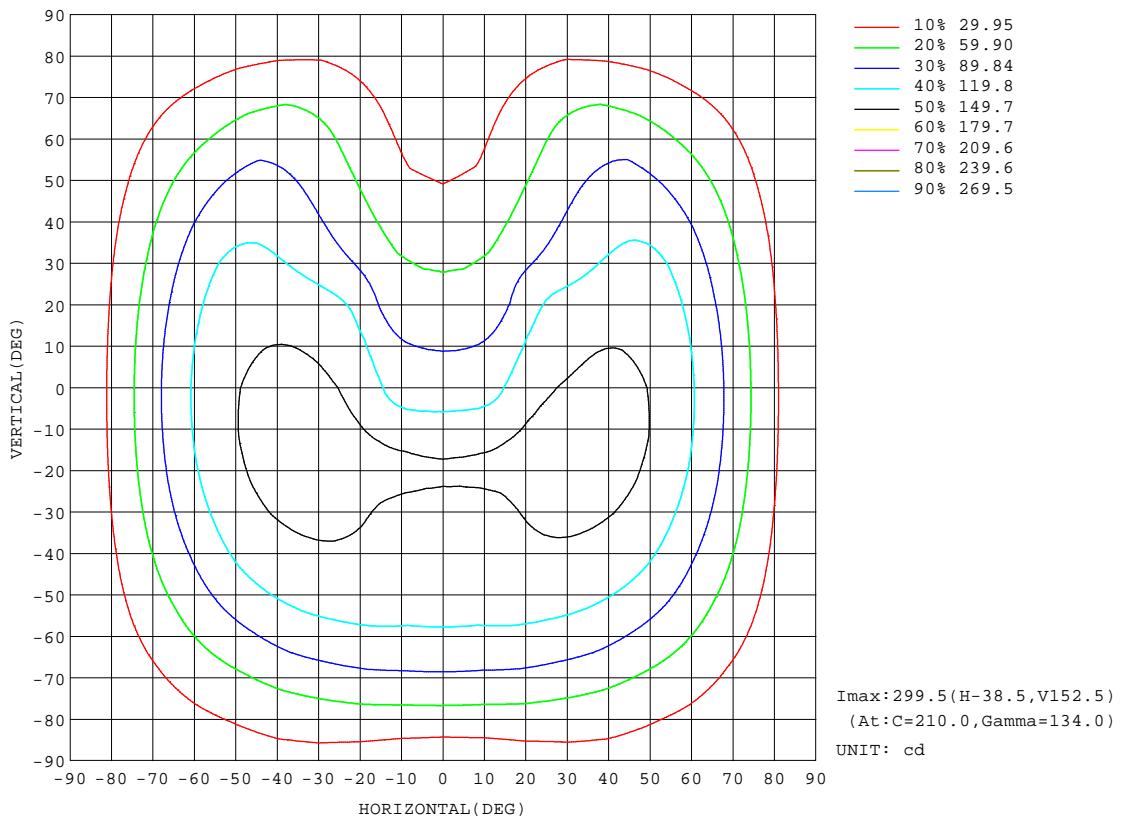
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	41	29	22	40	28	22	36	27	21	14
0.80	51	38	30	48	37	29	44	34	27	19
1.00	59	46	38	56	44	37	50	42	34	23
1.25	66	54	45	62	51	44	56	47	40	28
1.50	72	60	51	67	57	49	60	51	45	31
2.00	79	69	61	74	65	58	65	58	52	36
2.50	84	75	67	79	70	64	69	62	57	39
3.00	88	79	73	82	75	69	72	66	61	42
4.00	93	86	80	87	81	75	75	71	67	45
5.00	96	90	85	89	84	80	78	74	70	47
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:02 February 2023

g Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: Zigen ZG2BRG23L00 KGP CC15W350 Triac

ISOCANDELA DIAGRAM

Test:U:230.76V I:0.0655A P:14.586W PF:0.9643 Freq:49.99Hz Lamp Flux:936.206x1 lm		
NAME: Scoop 13W color toning LED wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



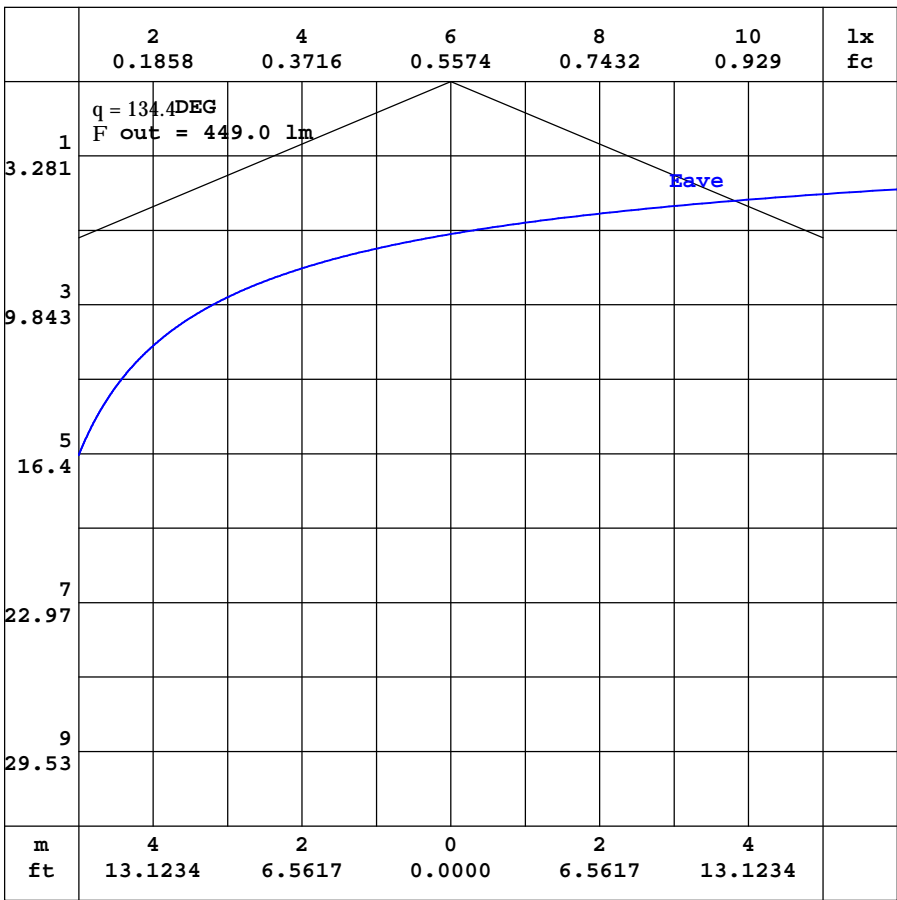
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:02 February 2023

Page Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: Zigen ZG2BRG23L00 KGP CC15W350 Triac



AAI CURVES

Test:U:230.76V I:0.0655A P:14.586W PF:0.9643 Freq:49.99Hz Lamp Flux:936.206x1 lm		
NAME: Scoop 13W color toning LED wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



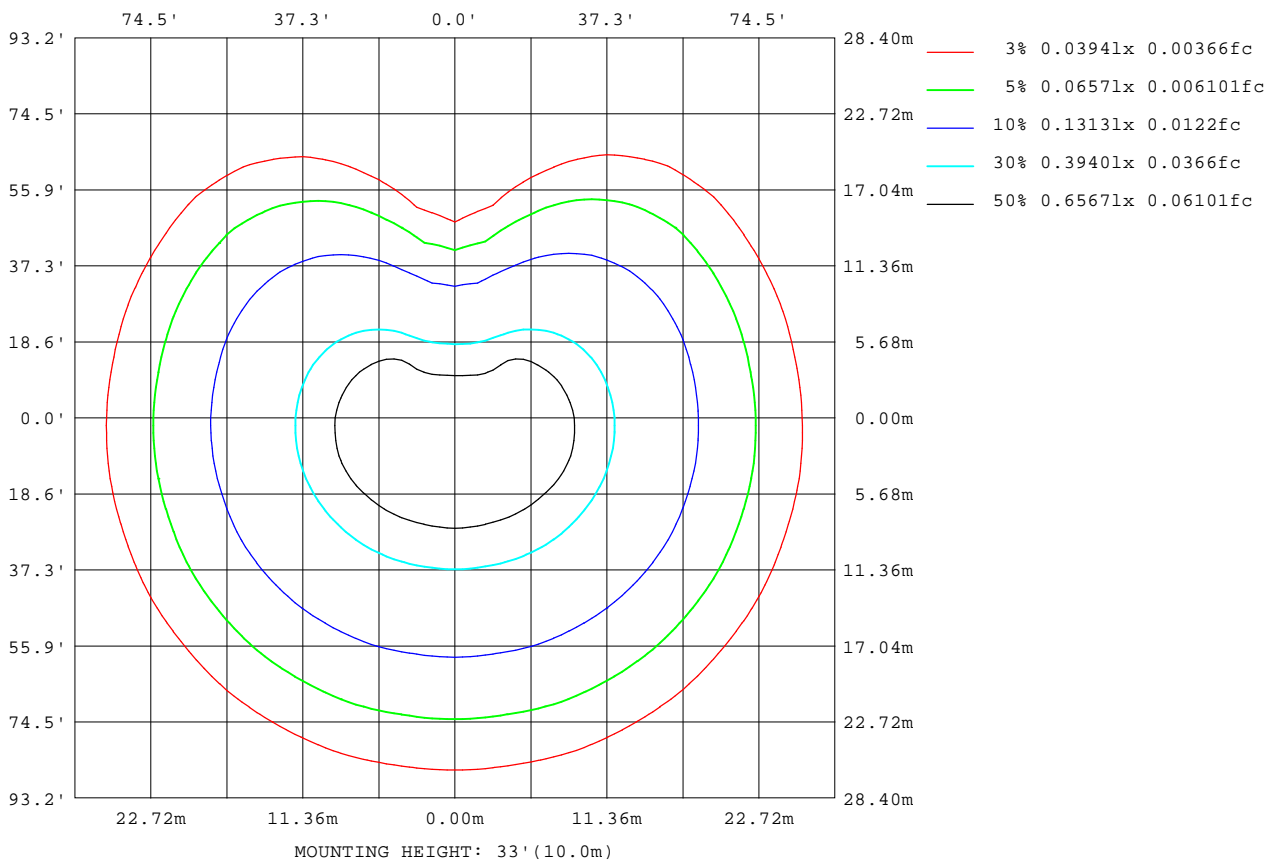
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:02 February 2023

Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: Zigen ZG2BRG23L00 KGP CC15W350 Triac

**ISOLUX DIAGRAM**

Test:U:230.76V I:0.0655A P:14.586W PF:0.9643 Freq:49.99Hz Lamp Flux:936.206x1 lm		
NAME: Scoop 13W color toning LED wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:02 February 2023

Page Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: Zigen ZG2BRG23L00 KGP CC15W350 Triac

LED Avg.L Report

Test:U:230.76V I:0.0655A P:14.586W PF:0.9643 Freq:49.99Hz Lamp Flux:936.206x1 lm		
NAME: Scoop 13W color toning LED wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

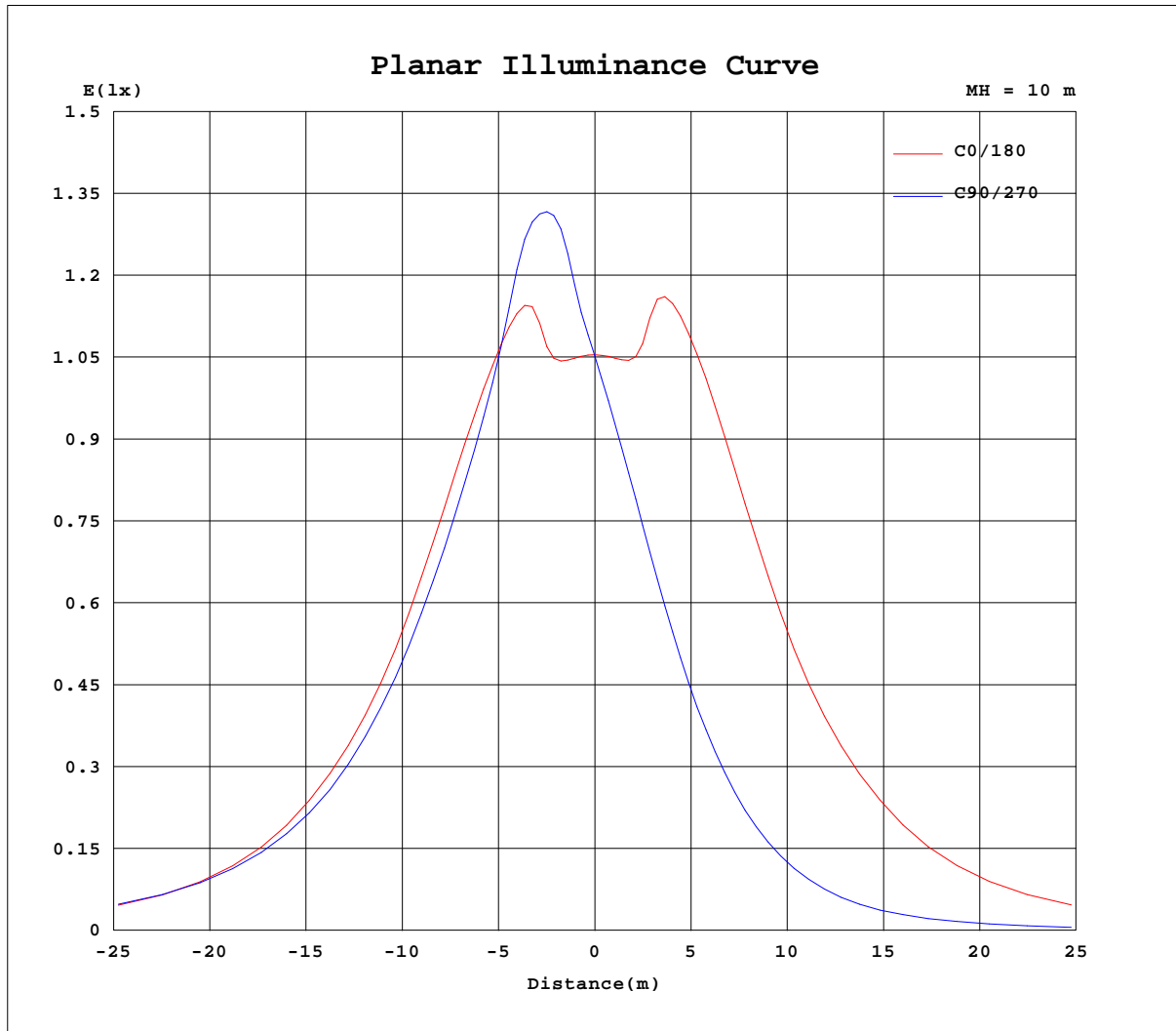
AvgL	cd/m2
L_0~180(65)av	2422
L_0~180(75)av	2212
L_0~180(85)av	1667
L_90~270(65)av	1358
L_90~270(75)av	1420
L_90~270(85)av	1779
L_45(65)av	2268
L_45(75)av	2332
L_45(85)av	2820

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:02 February 2023

g Range: 0 - 180DEG  
 g Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: Zigen ZG2BRG23L00 KGP CC15W350 Triac

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: LQL  
 Test Date: 02 February 2023

Page Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity: 65.0%  
 Test Distance: 10.365m [K=1.0000]  
 Remarks: Zigen ZG2BRG23L00 KGP CC15W350 Triac

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.76V I:0.0655A P:14.586W PF:0.9643 Freq:49.99Hz Lamp Flux:936.206x1 lm		
NAME: Scoop 13W color toning LED wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	105	105	106	105	106	105	106	105	105	105	105	105	105	105	105	105	105	105	105
5	106	107	109	110	111	112	113	114	114	114	114	113	113	112	111	109	108	106	106
10	109	112	116	120	124	128	132	133	135	135	134	133	131	127	124	119	115	112	109
15	117	121	126	131	136	140	142	143	144	144	144	143	142	140	136	130	126	121	118
20	138	142	146	148	150	151	152	153	153	153	153	154	153	152	150	147	145	143	140
25	145	150	153	155	157	156	154	152	150	150	151	153	156	158	157	155	153	151	148
30	153	158	161	164	162	155	149	146	145	145	145	147	151	157	164	165	162	159	156
35	157	162	165	167	160	153	148	145	144	144	144	145	149	154	162	168	165	162	159
40	158	163	165	163	156	151	147	144	143	143	143	144	148	152	156	163	165	163	159
45	156	159	160	157	153	149	146	142	140	140	140	143	146	150	154	158	160	159	156
50	149	151	151	149	146	143	140	137	134	134	134	137	140	144	147	149	151	150	148
55	142	144	143	142	139	136	133	130	127	127	127	131	134	137	139	142	143	143	141
60	122	124	125	125	123	121	119	117	115	115	115	118	119	122	124	126	125	124	123
65	106	108	109	110	109	109	107	106	104	104	104	107	108	109	110	110	109	108	107
70	79.9	81.8	82.6	84.8	85.4	87.0	86.5	86.5	84.8	85.1	85.2	86.9	86.9	87.4	85.7	85.1	83.0	82.2	80.8
75	61.5	63.4	64.5	67.1	68.7	71.1	71.5	71.9	70.3	70.6	70.7	72.4	72.1	71.4	68.9	67.5	64.9	64.0	62.4
80	34.1	36.3	37.9	41.6	44.2	47.5	48.1	48.1	46.2	46.2	46.6	48.6	48.6	47.7	44.2	41.9	38.4	36.8	34.9
85	17.8	20.1	22.8	27.4	31.1	34.4	34.6	33.6	31.3	30.8	31.7	34.1	34.9	34.5	31.0	27.4	23.0	20.5	18.5
90	2.81	6.57	11.5	16.6	21.1	24.7	25.8	24.3	21.8	20.6	22.1	24.5	25.7	24.4	20.7	16.2	10.9	5.99	2.52
95	7.14	9.56	13.2	17.1	21.0	23.9	25.2	23.2	20.1	18.4	20.5	23.5	25.2	23.7	20.6	16.7	12.6	8.95	6.56
100	50.7	53.2	54.9	51.0	49.2	43.5	40.6	32.8	27.9	23.5	28.4	33.2	40.6	42.4	47.2	49.4	55.3	57.0	60.3
105	84.3	85.3	87.9	87.5	89.2	87.4	83.8	74.2	67.9	62.8	67.9	73.9	84.0	88.3	92.8	93.3	95.0	94.4	95.5
110	138	137	138	137	138	133	127	119	113	111	116	123	132	140	144	144	146	145	147
115	172	170	171	169	167	159	71.9	118	138	136	140	113	151	166	175	176	178	178	180
120	219	216	214	209	203	94.3	13.1	6.57	2.01	2.11	2.38	7.92	14.8	201	213	219	224	224	227
125	242	239	237	231	224	15.4	10.0	4.28	1.06	0.98	1.24	5.40	11.4	41.0	234	241	247	250	254
130	22.0	21.5	264	259	14.7	10.8	6.53	2.48	1.07	1.09	1.08	3.16	7.56	11.9	115	269	276	235	275
135	16.0	15.2	280	39.8	11.0	8.43	4.84	1.76	1.17	1.17	1.11	2.22	5.65	9.27	12.1	206	292	20.6	20.8
140	11.6	10.3	10.0	9.24	7.71	5.58	3.09	1.59	1.31	1.30	1.28	1.59	3.51	6.21	8.31	9.87	11.0	11.5	12.4
145	10.3	9.05	8.38	7.48	6.05	4.19	2.47	1.63	1.39	1.38	1.32	1.65	2.63	4.62	6.50	7.85	8.61	9.07	10.1
150	8.24	7.23	6.44	5.43	4.23	2.97	2.28	1.78	1.51	1.51	1.44	1.70	2.18	3.04	4.40	5.59	6.50	7.14	8.14
155	6.89	6.11	5.34	4.42	3.54	2.71	2.15	1.77	1.58	1.60	1.52	1.70	2.15	2.62	3.49	4.43	5.31	5.99	6.78
160	4.81	4.45	4.01	3.43	2.89	2.37	2.04	1.85	1.75	1.75	1.67	1.77	1.96	2.35	2.88	3.34	3.94	4.43	4.86
165	3.55	3.36	3.15	2.76	2.44	2.12	1.99	1.95	1.81	1.85	1.80	1.87	1.91	2.04	2.44	2.74	3.14	3.38	3.63
170	2.41	2.33	2.33	2.26	2.19	2.18	2.10	2.09	1.99	2.04	1.99	2.04	1.99	2.08	2.10	2.16	2.24	2.26	2.35
175	2.35	2.33	2.31	2.29	2.22	2.25	2.15	2.21	2.12	2.15	2.12	2.17	2.12	2.18	2.12	2.21	2.21	2.26	2.35
180	2.35	2.36	2.35	2.35	2.33	2.36	2.34	2.33	2.27	2.27	2.27	2.27	2.26	2.27	2.26	2.26	2.25	2.26	2.35

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:02 February 2023

g Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: Zigen ZG2BRG23L00 KGP CC15W350 Triac

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.76V I:0.0655A P:14.586W PF:0.9643 Freq:49.99Hz Lamp Flux:936.206x1 lm		
NAME: Scoop 13W color toning LED wall light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: CG LIGHTING	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	105	106	105	106	105	106	105	105	105	105	105	105	105	105	105	105	105		
5	105	103	102	101	100.0	99.3	98.6	98.2	97.8	98.1	98.2	98.9	99.5	100	101	103	104		
10	106	103	99.2	96.2	93.4	91.1	89.4	88.2	87.7	88.2	89.0	90.7	92.8	95.5	98.4	102	105		
15	113	106	100	94.7	90.0	86.5	83.6	82.0	81.2	81.9	83.3	86.0	89.4	93.9	99.2	105	111		
20	135	126	114	99.1	88.0	80.6	75.7	72.8	71.7	72.7	75.3	80.0	87.1	97.3	111	123	131		
25	142	134	124	109	89.8	77.7	70.7	66.9	65.6	66.9	70.3	77.2	88.5	106	120	130	138		
30	149	141	131	118	96.1	74.9	64.0	58.5	56.6	58.4	63.8	74.7	95.9	116	127	137	145		
35	152	143	132	117	95.3	73.6	60.0	53.0	50.8	53.0	60.1	73.7	95.4	117	129	140	148		
40	152	143	129	111	90.9	71.5	55.1	45.2	42.3	45.2	55.6	72.0	90.8	111	128	141	151		
45	150	140	126	109	89.3	70.0	52.2	40.2	36.7	40.4	52.9	70.7	89.8	109	126	140	149		
50	143	135	123	107	88.1	67.9	48.4	33.3	28.8	33.7	49.4	68.8	89.1	108	123	135	143		
55	137	131	120	106	86.9	66.3	45.8	29.3	23.8	29.9	46.9	67.5	88.3	107	121	131	137		
60	121	118	112	100	83.6	63.3	42.5	24.7	17.8	25.6	43.7	64.6	84.9	101	112	118	120		
65	105	104	101	93.6	79.3	60.8	40.1	22.0	14.4	23.1	41.4	62.1	80.5	94.4	100	103	104		
70	79.1	78.6	76.8	75.6	68.4	53.9	35.1	18.0	9.79	19.1	36.2	55.1	69.2	75.2	76.1	77.7	78.2		
75	60.8	60.7	59.6	59.8	56.8	46.6	30.2	15.0	7.29	16.0	31.2	47.4	56.7	59.1	58.8	59.8	59.8		
80	33.7	34.4	34.3	35.6	35.0	31.2	20.5	10.2	4.53	10.9	21.2	31.6	34.5	34.8	33.5	33.4	32.8		
85	17.8	19.1	19.9	21.7	21.7	20.0	13.5	6.99	3.24	7.46	13.9	20.1	21.3	21.0	19.1	18.2	17.0		
90	3.37	5.18	6.88	8.28	8.57	8.01	5.71	3.37	1.94	3.53	5.83	8.04	8.43	8.04	6.68	4.98	3.29		
95	5.51	5.72	6.22	6.44	6.64	5.63	3.71	2.33	1.67	2.41	3.79	5.74	8.11	8.50	8.24	6.27	6.15		
100	61.5	58.2	57.5	54.8	57.0	56.5	4.11	2.10	1.61	2.22	4.33	46.1	45.1	42.6	45.7	46.4	49.3		
105	96.5	94.6	94.8	92.6	95.0	93.6	5.07	2.24	1.65	2.43	5.41	89.8	89.1	84.9	84.4	82.4	84.0		
110	149	148	149	148	149	145	5.96	2.26	1.78	2.51	6.42	142	145	142	140	137	138		
115	182	182	182	181	180	175	6.25	2.20	1.89	2.43	6.63	171	175	175	175	172	172		
120	229	228	228	224	221	11.9	6.15	2.18	2.04	2.26	6.40	12.0	216	218	221	219	220		
125	255	254	253	250	244	11.0	5.75	2.20	2.12	2.26	5.96	11.4	228	244	247	245	244		
130	205	198	286	282	15.0	9.73	4.82	2.32	2.24	2.33	4.97	9.84	15.3	261	279	243	23.1		
135	21.1	21.6	303	25.7	13.4	8.61	4.07	2.37	2.32	2.38	4.18	8.71	13.7	18.7	264	28.4	17.8		
140	13.7	15.0	14.9	13.6	10.7	6.64	3.14	2.40	2.38	2.43	3.20	6.69	10.8	13.9	15.4	15.2	13.7		
145	11.5	12.3	12.2	11.0	8.55	5.26	2.77	2.40	2.39	2.43	2.81	5.29	8.61	11.2	12.5	12.7	11.8		
150	8.86	9.17	8.79	7.70	5.81	3.53	2.53	2.40	2.40	2.43	2.55	3.53	5.80	7.75	8.94	9.36	9.01		
155	7.25	7.31	6.84	5.82	4.33	2.84	2.48	2.40	2.40	2.42	2.49	2.85	4.26	5.80	6.84	7.36	7.29		
160	4.97	4.81	4.38	3.58	2.85	2.43	2.46	2.38	2.40	2.39	2.46	2.46	2.83	3.45	4.26	4.69	4.86		
165	3.65	3.41	3.08	2.64	2.49	2.37	2.44	2.38	2.40	2.37	2.44	2.38	2.51	2.61	2.95	3.22	3.46		
170	2.41	2.35	2.37	2.36	2.40	2.37	2.43	2.36	2.40	2.36	2.40	2.36	2.38	2.32	2.35	2.31	2.35		
175	2.35	2.35	2.35	2.35	2.39	2.37	2.40	2.36	2.38	2.37	2.38	2.36	2.36	2.30	2.32	2.30	2.29		
180	2.38	2.35	2.35	2.35	2.36	2.35	2.35	2.32	2.32	2.32	2.32	2.32	2.32	2.30	2.31	2.30	2.29		

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:LQL  
 Test Date:02 February 2023

g Range: 0 - 180DEG  
 Interval: 2.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.403  
 Humidity:65.0%  
 Test Distance:10.365m [K=1.0000]  
 Remarks: Zigen ZG2BRG23L00 KGP CC15W350 Triac